

171642

# SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/15/2004 This is an experimental format - Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 11/15/05 Serial # 16/658,139 Priority Application Date \_\_\_\_\_  
 Your Name M. Lewis Examiner # \_\_\_\_\_  
 AU 2899 Phone 292-1838 Room 5A30  
 In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search, please prioritize in order of need.

*Need before 11/23*

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature \_\_\_\_\_ Other \_\_\_\_\_  
 Secondary Refs ☒ Foreign Patents \_\_\_\_\_  
 Teaching Refs \_\_\_\_\_

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*Claims 7-11 & 13-19*

*Laterally Diffused Metal Oxide Semiconductor device*

*Problem: See pages 2-4 in specification*

*Solution: 11 11 4-6 in specification*

- Multiple gate fingers
- RF power LDMOS transistor
- See amended claim 7 changes
- See new independent claim 13.

*US 6,744,117*

*5,369,045*

Staff Use Only

Number

Type of Search

Structure (#)

Vendor

NTN

Nonuser Phone:

Bibliography ☒

Dialog ☒

Searcher Location: STIC-EIC2800, JEF-4B68

Litigation

Questel/Orbit

Date Searcher Picked Up: 11/17/05

Fulltext ☒

Lexis/Nexis

Date Completed:

Patent Family ☒

WWW/Internet

Searcher Prep/Rev Time: 1/40

Other REV.

Other WEST

Online Time: 1/45

USPT

11/17/2005

10/658,137

File 342:Derwent Patents Citation Indx 1978-05/200572

(c) 2005 Thomson Derwent

S1 3 PN=(US 6744117 OR US 5369045 OR US 5681761)

SYSTEM:OS - DIALOG OneSearch

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200573

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\*File 350: For more current information, include File 331 in your search.

Enter HELP NEWS 331 for details.

File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)

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| Set | Items | Description   |
|-----|-------|---|
| S1  | 93    | S1:S15  |
| S2  | 44    | S1 AND (LATERAL?(2N)DIFFUS? OR LATERAL?()DIFFUS?()MOSFET OR LATERAL?()DIFFUS?()METAL()OXID? OR LDMOS OR LDMOST OR METAL(-)OXID?() (TRANSIST? OR SEMICONDUCT?))  |
| S3  | 2     | S2 AND (MULTI? OR FIRST OR ONE OR TWO OR SECOND OR DUAL) (2-N)GATE???   |
| S4  | 42    | S2 NOT S3   |
| S5  | 1     | S4 AND GATE???(2N)FINGER? ?   |
| S6  | 41    | S4 NOT S5   |
| S7  | 1     | S6 AND (RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGNET?(3N)FIELD? OR (RF OR RADIO()FREQUENC????? OR RADIOFREQUENC?????) ()POWER???)   |
| S8  | 40    | S6 NOT S7   |
| S9  | 9     | S8 AND (IMPURIT????????? OR DOPA????????? OR DOPE??? OR DOPI-NG OR MIXTURE? ? OR BLEND? OR ADMIX? OR COMMIX? OR IMMIX? OR -INTERMIX? OR MIX? OR IMPREGNAT? OR COMPOSIT? OR COMPN? OR COM-PSN? OR FORMULAT? OR INTERSPER? OR AMALGAM?) |
| S10 | 9     | IDPAT (sorted in duplicate/non-duplicate order)   |
| S11 | 9     | IDPAT (primary/non-duplicate records only)  |
| S12 | 31    | S8 NOT S9   |
| S13 | 1     | S12 AND SINKER? ?   |
| S14 | 30    | S12 NOT S13   |
| S15 | 0     | S14 AND METAL?(2N) (CLAMP? ? OR RUNNER? ?)  |
| S16 | 30    | S14   |
| S17 | 30    | IDPAT (sorted in duplicate/non-duplicate order)   |
| S18 | 28    | IDPAT (primary/non-duplicate records only)  |

## SYSTEM:OS - DIALOG OneSearch

File 2:INSPEC 1898-2005/Nov W1  
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\*File 2: Archive data back to 1898 has been added to File 2.

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File 8:Ei Compendex(R) 1970-2005/Nov W1  
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File 34:SciSearch(R) Cited Ref Sci 1990-2005/Nov W2  
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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File 35:Dissertation Abs Online 1861-2005/Oct  
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File 65:Inside Conferences 1993-2005/Nov W2  
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File 94:JICST-EPlus 1985-2005/Sep W2  
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File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Oct  
(c) 2005 The HW Wilson Co.

File 144:Pascal 1973-2005/Nov W1  
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File 305:Analytical Abstracts 1980-2005/Nov W2  
(c) 2005 Royal Soc Chemistry

\*File 305: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 315:ChemEng & Biotec Abs 1970-2005/Oct  
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200573  
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\*File 350: For more current information, include File 331 in your search.  
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File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)  
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File 344:Chinese Patents Abs Aug 1985-2005/May  
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File 371:French Patents 1961-2002/BOPI 200209  
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\*File 371: This file is not currently updating. The last update is 200209.

File 23:CSA Technology Research Database 1963-2005/Nov  
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File 987:TULSA (Petroleum Abs) 1965-2005/Nov W1  
(c)2005 The University of Tulsa

\*File 987: GR (Greece), IS (Iceland), SG (Singapore), and SI (Slovenia)  
have been added to AC=.

| Set | Items    | Description   |
|-----|----------|---|
| S1  | 2252     | AU=(JOHANSSON, J? OR JOHANSSON J? OR EKENSTAM, N? OR EKENS-TAM N?)  |
| S2  | 6        | S1 AND (LATERAL?(2N)DIFFUS? OR LATERAL?()DIFFUS?() (MOSFET - OR MOS) OR LATERAL?()DIFFUS?()METAL()OXID? OR LDMOS OR LDMOST OR METAL()OXID?() (TRANSIST? OR SEMICONDUCT?))   |
| S3  | 6        | RD (unique items)   |
| S4  | 2246     | S1 NOT S2   |
| S5  | 0        | S4 AND GATE??? (2N)FINGER? ?  |
| S6  | 28       | S4 AND (RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGNET?(3N)FIELD? OR (RF OR RADIO()FREQUENC????? OR RADIOFREQUENC?????)() (POWER??? OR LDMOS))  |
| S7  | 18       | RD (unique items)   |
| S8  | 0        | S7 AND (METAL? OR SINGLE) (2N) (LAYER??? OR FILM??? OR COAT?- ?? OR SPACER??? OR INTERLAYER???? OR INTER()LAYER?????)   |
| S9  | 0        | S7 AND METAL?(2N) (CLAMP? ? OR RUNNER? ?)   |
| S10 | 189060   | LATERAL?(2N)DIFFUS? OR LATERAL?()DIFFUS?() (MOSFET OR MOS) - OR LATERAL?()DIFFUS?()METAL()OXID? OR LDMOS OR LDMOST OR METAL()OXID?() (TRANSIST? OR SEMICONDUCT?)  |
| S11 | 74924    | (MULTI? OR FIRST OR ONE OR TWO OR SECOND OR DUAL) (2N)GATE?- ??   |
| S12 | 839      | GATE??? (2N)FINGER? ?   |
| S13 | 189      | FINGER? ? (2N)INTERCONNECT????  |
| S14 | 1021     | S12:S13   |
| S15 | 1693093  | RF OR RADIO(3N)FREQUENC????? OR RADIOFREQUENC????? OR MAGNET?(3N)FIELD? OR (RF OR RADIO()FREQUENC????? OR RADIOFREQUENC-?????)() (POWER??? OR LDMOS)  |
| S16 | 1841657  | (FIRST OR ONE OR TWO OR SECOND OR SOURC? OR DRAIN????) (2N)- (REGION? ? OR AREA? ? OR PART???? OR PORTION??? OR SEGMENT??? OR SECTION??? OR CHANNEL???? OR TRENCH? OR GROOVE? OR BURIED - OR VESSEL?)                       |
| S17 | 3487     | METAL?(2N) (CLAMP? ? OR RUNNER? ?)  |
| S18 | 722518   | (METAL? OR SINGLE) (2N) (LAYER??? OR FILM??? OR COAT??? OR SPACER??? OR INTERLAYER???? OR INTER()LAYER?????)  |
| S19 | 4268     | SINKER? ?   |
| S20 | 11813850 | (IMPURIT????????? OR DOPA????????? OR DOPE??? OR DOPING OR MIXTURE? ? OR BLEND? OR ADMIX? OR COMMIX? OR IMMIX? OR INTERMIX? OR MIX? OR IMPREGNAT? OR COMPOSIT? OR COMPN? OR COMPSN? OR FORMULAT? OR INTERSPER? OR AMALGAM?) |
| S21 | 5474     | S10 AND S11   |
| S22 | 12       | S21 AND S14   |
| S23 | 8        | RD (unique items)   |
| S24 | 5462     | S21 NOT S22   |
| S25 | 64       | S24 AND S15   |
| S26 | 27       | S25 AND S16   |
| S27 | 4        | S25 AND (S17 OR S18)  |
| S28 | 4        | RD (unique items)   |
| S29 | 23       | S26 NOT S27   |
| S30 | 0        | S29 AND S19   |
| S31 | 8        | S29 AND S20   |
| S32 | 8        | RD (unique items)   |
| S33 | 15       | S29 NOT S31   |
| S34 | 14       | RD (unique items)   |
| S35 | 0        | S34 AND FINGER? ?   |
| S36 | 1        | S34 AND (LDD OR LATERAL?()DOUBL?()DIFFUS? OR LATERAL?()DOUBLE()DIFFUS?()MOSFET)   |
| S37 | 13       | S34 NOT S36   |

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|     |       |                   |
|-----|-------|-------------------|
| S38 | 27    | S14 AND S18       |
| S39 | 0     | S38 AND S17       |
| S40 | 4     | S38 AND S10       |
| S41 | 4     | RD (unique items) |
| S42 | 85    | S17 AND S18       |
| S43 | 0     | S42 AND S19       |
| S44 | 14    | S42 AND S16       |
| S45 | 0     | S44 AND S15       |
| S46 | 0     | S44 AND S12       |
| S47 | 5     | S44 AND S20       |
| S48 | 5     | RD (unique items) |
| S49 | 10263 | S10 AND S18       |
| S50 | 3     | S49 AND S17       |
| S51 | 3     | RD (unique items) |